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DIRECTORATE OF INTELLIGENCE

8 April 1986	
China's Search For Air Defense: On the Verge of Foreign Acquisitions?	25X
SUMMARY	
Over the past decade, China's defense industries have failed in efforts to develop modern air defense systems for the Army and Navy. China has successfully reverse-engineered air defense systems in only two cases — the short-range SA-7 missile and a 30-mm rapid-fire gun. Despite this poor showing, powerful industry officials have acquired advanced Western systems that they believe they can copy and have resisted Army and Navy efforts to buy air defense systems from the West. We believe severe budgetary constraints and a misplaced confidence among senior decisionmakers in the ability of Chinese engineers to design viable indigenous weapons have been major impediments to air defense modernization. military end-users in China may be overcoming this opposition and have received funding for selected air defense purchases from the West. If so, we believe China is more likely to turn to Israel or Western Europe than to the United States.	25X 25X 25X 25X
This memorandum was prepared by Office of East Asian Analysis	25 x 25 X
Information available as of 31 March 1986 was used in its preparation. Comments a queries are welcome and may be directed to the Chief, Defense Issues Branch, Chi Division, OEA,	nd
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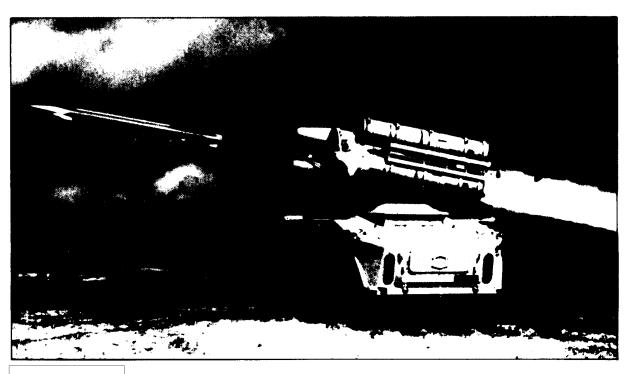
Figure 1 Short-Range SAM



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Figure 2 Crotale SAM

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China'	s work with the	Crotale, howev		e going well admitted to		h l a wa a
stering t	he technology and	d asked the Fre	ench manufact	urer for help.	The French	were
		urchase the na				also
cate the	e Chinese are hav	ring problems	reverse-engine	ering the sys	stem.	
 						
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's Close Encounters With Western Air Defense	
Since 1979, Beijing has flirted with buying air defense weapons from the West beways stopped short. In late 1982, the Chinese Navy signed a tentative contract the British Sea Dart missile but was thwarted by the Defense Minister—who us post was director of weapons research and development—and was not allowed the deal (see box). In 1984, the Navy was prepared to buy the Phalanx 20—media in air defense system from the United States.	to se ed
The pressure to purchase an indigenous system—even if it is inferior—has bed e on the Chinese military in large part because of severe budgetary constrain	
the Politburo has set an extremely restrictive list ons that may be acquired from abroad because of "very tight" budgeta tions on defense spending. Moreover, Beijing is adamant that it will never aga be dependent—as it did in the 1950s with the Soviet Union—on a foreign pow fense modernization.	ry iin
The Coe Bout Affeir	
The Sea Dart Affair	
the United Kingdom contracted to upgrade two ninese Luda-class destroyers. The upgrade was to include Sea Dart rface-to-air missiles. The contract contained a 60-day ratification clause, nich Beijing allowed to expire.	
n early 1983 Defense Minister Zhang	
ping blocked the purchase of the missile system, as well as other weapon stems under consideration, "angering" naval leaders.	
The cancellation had all the earmarks of a successful defense industry aneuver, blocking the import of finished weapons and maintaining the le-source status of Chinese defense plants. ang canceled the missile purchase because he considered British technology	
psolete and, because of the Chinese perception poor performance by Sea Dart in the Falkland Islands conflict.	
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China's desire for self-reliance and budgetary constraint only partly explain eijing's reluctance to purchase finished air defense systems from abroad. Indeed, the ecent Chinese willingness to sign contracts for Israeli tank gun improvements, US, rench, and Soviet helicopters and US avionics packages for the F-8 fighter prove that eijing is prepared to obtain defense systems from abroad once it has been convinced	0.5
nat China cannot build those systems without foreign assistance.	25)
There are signs, however, that the Chinese defense industries believe they can nodernize China's air defense and that they have argued successfully against foreign rocurement. The Ministry of Astronautics, for example, can cite success in producing of only tactical missiles such as the SA-7 copy, the new Exocet-like missile and thina's first air-to-surface missile; but also strategic nuclear weapons such as China's all range ICBM and a submarine launch ballistic missile. Despite the Navy's obvious atterest in buying at least a few missiles for its surface warships, the 1982 decision not buy the Sea Dart suggests that the defense ministries have exercised considerable	
fluencethrough senior leaders such as Zhang Aiping over such decisions and has ocked even high-priority purchases.	25
Brighton Outlands for Irranoute	
Brighter Outlook for Imports	
Beijing, however, may be approaching a point where some foreign purchases of air efense systems will be made.	25
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This would be the first foreign missile purchase by the Chinese Navy	25
and the French expect the Chinese to buy at least two or three more systems.	
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Unless the Chinese defense industry makes a breakthrough with the Crotale everse-engineering project or the $HQ-61$ SAM, Beijing's defense ministries may be proced to lift their objections to foreign imports of air defense missiles. We believe the avy is likely to press hard for the purchase of the Crotale because it is beginning roduction of new guided missile and antisubmarine warfare frigates that desperately eed modern air defenses. The Army, for its part, is deploying mechanized infantry invisions in the northeast which, without modern air defenses, are highly vulnerable to oviet air attack.	25
Both the Army and Navy can cite recent successes in developing coproduction trangements to strengthen their cases. China's tank improvement program is roceeding well with Israeli assistance, and Beijing may have already signed a contract ith Pakistan to use this technology to improve Islamabad's 1,000 Chinese-made Type it tanks.	
and, given the success of other raeli programs, the Navy may well argue for acceptance of the offer. The Navy might so argue that Chinese ships could well become more marketable abroad if they have	25
If the Chinese decide to buy foreign air defense systems, they are unlikely to equire one from the United States. Although Beijing has shown an interest in the	25
oduction technology for the I-HAWK air defense missile, the Chinese military is invinced that it lacks the mobility China needs. is interested in advanced systems such as the Stinger man-portable SAM, the andard shipboard SAM, and the Patriot medium-to-high-altitude SAM, but knows that ashington is not prepared to sell. We therefore believe that China is more likely to	25 25
rn to Western Europe or Israel where higher levels of technology are available.	25
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